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UNITED STATES DEPARTMENT OF AGRICULTURE.

FEDERAL HORTICULTURAL BOARD.

WASHINGTON, D. C.

JULY 14, 1915.

LETTER OF INFORMATION NO. 19.

DEAR SIR: As indicated on the following pages, larvæ of the European pine shoot moth (*Evetria buoliana*) have been taken in numbers on conifers from Holland by State inspectors of Connecticut, Massachusetts, New Jersey, New York, Pennsylvania, and Rhode Island. A closely related species, *Evetria resinella*, has been detected on *Pinus mughus* from Holland by the Ohio inspectors.

Three interceptions of egg masses of the gypsy moth (*Porteretria dispar*) on stock from Belgium, Holland, and Japan and three interceptions of nests of the brown-tail moth (*Euproctis chrysorrhœa*) on stock from France and Ireland have been reported.

The dagger moth (*Apantela auricoma*), recorded in previous letters, continues to enter on stock from France and Holland.

The black Parlatoria (*Parlatoria zizyphus*), which is so frequently seen on imported lemons, was found on citrus cuttings from the Philippine Islands. This appears to be the first record of the occurrence of this scale on imported nursery stock. In Mediterranean regions it is commonly seen on the fruit and is not infrequently the cause of heavy dropping of the foliage.

*Carpophilus latinasus*, on line 23, page 5, and on line 9, page 10, of News Letter No. 11, of July 9, 1914, should read "*Caulophilus latinasus*."

The references on pages 4 and 6 of News Letter No. 17, of March 1, 1915, recording *Phytomyza aquifolii* on boxwood from Holland, should be eliminated.

The publications of the Federal Horticultural Board heretofore known as News Letters will in the future be known as Letters of Information. The numbers will be continued the same as if there had been no change in title.

Yours, very truly,

C. L. MARLATT,  
Chairman of Board.

## LIST, BY COUNTRIES, OF PESTS COLLECTED.

[The number in parentheses following name of host indicates the number of times reported.]

Country of origin and name of pest.	Host.
<b>AUSTRALIA.</b>	
Aspidiota sp. (scale insect).....	Hakea microcarpa (1).
<b>BELGIUM.</b>	
Aleyrodes sp. (white fly).....	Azalea (1).
Aspidiota britannicus (scale insect).....	Bay (1).
Aspidiota hederae (ivy scale).....	Aspidistra (1).
Do.....	Bay (1).
Do.....	Palm (5).
Aspidiota sp. (scale insect).....	Bay (1).
Chrysomphalus dictyospermi (scale insect).....	Palm (2).
Coccinellidae (beetles).....	Bay (1).
Coccus hesperidum (soft brown scale).....	Bay (8).
Lepidopterous larva.....	Bay (1).
Porthezia dispar (gipsy moth) (egg mass).....	Azalea (1).
Pseudococcus sp. (mealy bug).....	Do.
Do.....	Ficus (2).
Do.....	Palm (1).
Thysanura.....	Bay (1).
Disease: Exobasidium sp.....	Azalea (1).
<b>BRAZIL.</b>	
Aleurothrixus sp. (Aleyrodid).....	Jaboticaba (1).
Isosoma orchidearum (Cattleya fly) (punctures).....	Orchid (1).
Roaches.....	Do.
Targionia biformis (scale insect).....	Do.
<b>CANADA.</b>	
Aphid (plant louse) (eggs).....	Ribes nigrum (black currant) (1).
Aspidiota perniciosus (San Jose scale).....	Peach (1).
Lecanium sp. (scale insect).....	Ribes nigrum (black currant) (1).
Lepidosaphes ulmi (oyster-shell scale).....	Apple (1).
Disease: Bacterium tumefaciens (crown gall).....	Peach (1).
<b>CHINA.</b>	
Kermes sp. (?) (scale insect).....	Persimmon (1).
Pseudaonidia trilobitiformis (scale insect).....	Do.
Pseudococcus sp. (mealy bug).....	Bastard banyan (1).
<b>COLOMBIA.</b>	
Ants.....	Orchid (10).
Audreia sp. (cockroach).....	Orchid (2).
Blaberus sp. (roach) (egg case).....	Orchid (1).
Blattid (roach) (nymph).....	Do.
Camponotus abdominalis (?) (ant).....	Do.
Camponotus sp. (?) (ant).....	Do.
Capaid.....	Do.
Cryptocerus sp. (ant).....	Do.
Cryptoptilum sp. (Gryllid).....	Do.
Dasyposoma (?) sp. (roach).....	Do.
Dasyposoma sp. (?) (roach) (nymph).....	Do.
Fulvius atratus (Hemipteron; Capsidae).....	Do.
Isosoma orchidearum (Cattleya fly) (punctures).....	Orchid (9).
Largus cinctus.....	Orchid (1).
Lepidopterous cocoon, parasitized.....	Do.
Nyctobora sp. (cockroach).....	Do.
Periplaneta australasiae (roach).....	Do.
Phoetalia laevigata.....	Do.
Plagiolepis sp. (ant).....	Do.
Psocids.....	Orchid (2).
Pyralid larva.....	Do.
Roaches.....	Orchid (4).
Tenthecoris bicolor (Hemipteron).....	Orchid (2).
Thrips.....	Do.
Disease: Saprophytic fungi.....	Orchid (1).

## List, by countries, of pests collected—Continued.

Country of origin and name of pest.	Host.
<b>COSTA RICA.</b>	
<i>Aspidiota subsimilis</i> (scale insect).....	Avocado (1).
Beetles, probably new genus near <i>Coccotrypes</i> .....	<i>Copaifera hemitomophylla</i> (1).
<b>EGYPT.</b>	
<i>Rhizoglyphus hyacinthi</i> (bulb mite).....	<i>Colocasia</i> sp. (1).
<b>ENGLAND.</b>	
<i>Aphid</i> (plant louse).....	Fruit trees (1).
<i>Aphid</i> (plant louse) (eggs).....	Apple (1).
<i>Aspidiota hederae</i> (ivy scale).....	Boxwood (1).
Do.....	Orchid (1).
<i>Diaspis boisduvalii</i> (scale insect).....	Do.
<i>Geometrid</i> .....	<i>Cassinia leptophylla</i> (1).
<i>Tingitid</i> (lacewing) (eggs).....	<i>Rhododendron</i> (1).
Diseases:	
<i>Bacterium tumefaciens</i> (crown gall).....	<i>Manetti</i> (1).
Do.....	Apple (1).
<i>Pestalozzia</i> sp.....	<i>Rhododendron</i> (1).
<b>FRANCE.</b>	
<i>Apanteles</i> sp.....	<i>Berberis</i> (barberry) (1).
<i>Apatela auricoma</i> (dagger moth).....	(?).
Do.....	<i>Ampelopsis</i> (1).
Do.....	Apple (3).
Do.....	<i>Berberis</i> (barberry) (1).
Do.....	Birch (1).
Do.....	Cherry (5).
Do.....	Cranberry (1).
Do.....	<i>Deutzia</i> pride of Rochester (1).
Do.....	Fruit stocks (2).
Do.....	<i>Hydrangea</i> (1).
Do.....	Lilac (2).
Do.....	<i>Lonicera aureo-reticulata</i> (1).
Do.....	Maple (1).
Do.....	Pear (6).
Do.....	<i>Philadelphus coronarius</i> (1).
Do.....	Plum (2).
Do.....	Quince (1).
Do.....	Rose (1).
Do.....	Snowball (2).
Do.....	<i>Symporicarpus</i> (1).
Do.....	Birch (1).
<i>Apatela auricoma</i> (?) (dagger moth) (?).....	Buckthorn (1).
Do.....	<i>Berberis</i> (barberry) (1).
<i>Aphid</i> (plant louse).....	Beech (1).
Do.....	<i>Thuja orientalis aurea</i> (1).
Do.....	Buckthorn (1).
Do.....	Cedar (1).
Do.....	Cherry (1).
Do.....	Elder tree (1).
Do.....	Rose (1).
Do.....	<i>Fraxinus</i> (ash) (1).
<i>Aspidiota ostreaeformis</i> (scale insect).....	Rose stocks (1).
<i>Aulacaspis rosae</i> (rose scale).....	<i>Picea pungens</i> (1).
Bag worm.....	Pear stocks (1).
<i>Cilix glaucata</i> (?) (Family Drepanulidae) (Lepidoptera).....	In stalk of rose stock (1).
<i>Emphytus cinctus</i> (sawfly).....	Apple seedlings (1).
<i>Eriosoma lanigera</i> (woolly aphid).....	Apple stocks (1).
Do.....	Fruit stocks (2).
Do.....	<i>Paradise apple</i> (1).
Do.....	Pear stocks (1).
<i>Euproctis chrysorrhoea</i> (brown-tail moth) (nest).....	(?).
<i>Euproctis chrysorrhoea</i> (brown-tail moth) (old cocoon).....	<i>Pinus mughus</i> (1).
<i>Evetria buoliania</i> (?) European pine shoot moth) (?).....	Do.
<i>Evetria</i> sp. (?).....	<i>Pinus austriaca</i> (1).

## List, by countries, of pests collected—Continued.

Country of origin and name of pest.	Host.
<b>FRANCE—continued.</b>	
Grasshopper, nymph (Locustidae).....	Norway spruce.
Grub, white.....	In packing around seedlings (1). (?).
Hemiteles sp. (hyperparasite).....	In packing (2).
Lachnostenra sp. (beetle, larvae).....	Coniferous tree (1).
Lepidopterous larva.....	Apple (1).
Lepidopterous pupa.....	Elm (1).
Do.....	Lilac (1).
Do.....	Shrubs (1).
Do.....	Snowball (1). (?).
Lepidopterous pupa cases.....	Boxwood (1).
Lepidosaphes ulmi (oyster-shell scale).....	Lilac (1).
Do.....	Helleborus niger (1). (?).
Macrosiphum circumflexum (aphid).....	(?).
Noctuid larva.....	Birch (1).
Notolophus antiqua (European tussock moth) (eggs).....	Buckthorn (1).
Do.....	Dogwood (1).
Do.....	Pear (1).
Do.....	Privet (1).
Do.....	Tamarix (2).
Notolophus antiqua (?) (European tussock moth) (?) (eggs).....	Fruit stock (1).
Reduviid.....	Apple seeds (1).
Sawfly (?) borer.....	Tips of Manetti stock (3). (?).
Spider, red.....	Fruit tree stocks (1).
Tiger moth (?) cocoon.....	Abies douglasii (1).
Tortrix pronubana.....	Cedar (1).
Do.....	
Diseases:	
Ascomycete.....	Rhododendron (1).
Bacillus amylovorus (blight).....	Pear seedlings (1).
Do.....	Pear stock (1). Do.
Bacillus amylovorus (?) (blight).....	Apple (2).
Bacterium tumefaciens (crown gall).....	Dormant nursery stock (1).
Do.....	Fruit stocks (2).
Do.....	Hippophae (1).
Do.....	Lilac (1).
Do.....	Pear (2).
Do.....	Pear stocks (3).
Do.....	Plum stocks (1).
Do.....	Privet (1).
Bacterium tumefaciens (hairy root).....	Apple (2).
Do.....	Apple seedlings (2).
Do.....	Apple stocks (4).
Do.....	Cherry (1).
Do.....	Fruit stocks (1).
Do.....	Fruit-tree stocks (1).
Do.....	Ornamental shrubs (1).
Do.....	Pear (1).
Botrytis vulgaris (gray mold).....	Fruit stocks (1).
Mahonia leaf spot fungus.....	Berberis (barberry) (1).
Pestalozzia guepini.....	Rhododendron (1).
<b>GUATEMALA.</b>	
Chrysomphalus perseae (scale insect).....	Orchid (1).
Isosoma orchidearum (Cattleya fly) (punctures).....	Do.
<b>HOLLAND.</b>	
Agriotes sp. (wireworm).....	In soil around rhododendron (1).
Apatela auricoma (dagger moth).....	Cherry (1).
Do.....	Rose (1)

## List, by countries, of pests collected—Continued.

Country of origin and name of pest.	Host.
HOLLAND—continued.	
Aphid (plant louse).....	Berberis (barberry) (1).
Do.....	Juniper (1).
Do.....	Maple (2).
Do.....	Rose (1).
Do.....	Spruce (1).
Aspidiots britannicus (scale insect).....	Bay (1).
Aspidiots hederae (ivy scale).....	Camellia (1).
Beetle, small.....	Rose (1).
Cercyon haemorrhoidalis (beetle; Hydrophilidae).....	Rhododendron (1).
Chaitophorus sp. (plant louse).....	Ornamental trees (1).
Coccus hesperidum (soft brown scale).....	Bay (2).
Curculionid larva.....	In soil around rhododendron (1).
Diaspis carueli (juniper scale).....	Japan golden juniper (1).
Dichomeris marginellus (juniper web worm).....	Chinese golden juniper (1).
Diprion pini (sawfly).....	Pinus mughus (pine) (4).
Eriophyes sp. (mite).....	Boxwood (7).
Evetria buoliana (European pine shoot moth).....	281 pines (2 shipments).
Do.....	Pinus montana (pine) (1).
Do.....	14 Pinus mughus (1 shipment).
Do.....	Pinus mughus (3 shipments).
Do. (at least 500).....	300 Pinus mughus (3 shipments).
Evetria buoliana (European pine shoot moth).....	Pinus mughus (1 shipment).
Do.....	Pinus sylvestris (1).
Do.....	Pinus uncinata (1).
Evetria buoliana (European pine shoot moth, work of).....	Pinus Wateriana (1).
Do.....	Pinus mughus (1).
Evetria buoliana (?) (European pine shoot moth) (?).....	Pinus mughus (?) (1).
Do.....	Pinus montana (1).
Evetria resinella (moth).....	Pinus mughus (2).
Grubs.....	Pinus mughus (1).
Haltica bimaculata (beetle).....	In soil around plants (1).
Hister stercorarius (beetle, more or less beneficial).....	Rhododendron (1).
Lace bug eggs.....	In soil around rhododendron (1).
Lecanium sp. (scale insect).....	Rhododendron (1).
Lepidopterous cocoon and parasites.....	Boxwood (?) (1).
Lepidopterous larva.....	Azalea (1).
Do.....	Boxwood (1).
Lepidosaphes ulmi (Oyster-shell scale).....	Rhododendron (1).
Do.....	Boxwood (58).
Do.....	Crataegus (hawthorn) (1)
Do.....	Lilac (1).
Do.....	Rose (1).
Do.....	Shrub (1).
Do.....	(?).
Leptobyrsa explanata (Tingitid).....	Rhododendron (1).
Macrocentrus (?) sp.....	Hydrangea (1).
Mite eggs.....	Juniper (8).
Mites.....	Gladiolus (1).
Muscid fly.....	Rose (1).
Notolophus antiqua (European tussock moth) (eggs).....	Horse chestnut (1).
Do.....	Linden (1).
Do.....	Maple (3).
Do.....	Prunus pissardi (1).
Do.....	Rhododendron (1).
Do.....	Rose (3).
Phyllaphis fagi (?) (plant louse).....	Purple beech (1).
Phytomyza aquifolii (Dipterous leaf miner).....	Holly (2).
Porthetria dispar (gipsy moth) (egg mass).....	Blue spruce (2).
Psocid, small.....	Rose (1).
Psychodidae (Diptera).....	Spruce (1).
Psylla buxi.....	Boxwood (25).
Psyllid.....	Retinospora (1).
Sawfly cocoon.....	Spruce (1).
Sawfly larva.....	Boxwood (1).

## List, by countries, of pests collected—Continued.

Country of origin and name of pest.	Host.
HOLLAND—continued.	
Spider, red.....	(?).
Do.....	Boxwood (1).
Tingtid eggs (lacewing).....	Rhododendron (8).
Diseases:	
Ascomycete.....	Rhododendron (1).
Ascomycetous fungus.....	Kalmia leaves (1).
Bacterium tumefaciens (crown gall).....	Azalea (1).
Do.....	Pear (3).
Do.....	Rhododendron (2).
Botrytis sp.....	Rose (2).
Cytospora.....	Norway maple (1).
Dendrochium albo-cinereum.....	Norway maple (?) (1).
Exobasidium sp.....	Rhododendron (1).
Exobasidium sp. (?).....	Azalea (1).
Do.....	Rhododendron (2).
Fusarium sp.....	Rhododendron (1).
Pestalozzia guepini.....	Prunus laurocerasus (1)
Do.....	Rhododendron (1).
Pestalozzia guepini Desm. var.....	Do.
Pestalozzia sp.....	Rhododendron (5).
Do.....	(?).
Phyllosticta sp.....	Cydonia japonica (1).
INDIA.	
Near Petalocephala perductalis (family Jassidae).....	Erianthus fulvus (1).
IRELAND.	
Euproctis chrysorrhoea (brown-tail moth) (nest).....	Rose (1).
ITALY.	
Tenuipalpus glaber (red spider).....	Walnut (1).
JAPAN.	
Agromyza websteri (wistaria gall fly).....	Wistaria (1).
Aleyrodes sp. (white fly).....	Camellia (1).
Do.....	Eleagnus (1).
Anomala sp. (beetle; grub).....	In soil around plants (1).
Ants.....	Do.
Aphid (plant louse).....	Coniferous trees (1).
Do.....	Japanese forest cedar (1).
Bagworm cocoons.....	Do.
Bud moth larvae.....	Prunus sps. (1).
Case bearer.....	(?).
Cecidomyiid galls.....	Pine (1).
Ceroplastes ceriferus (wax scale).....	Camellia (1).
Chionaspis wistariae (wistaria scale).....	Wistaria (1).
Cicada eggs.....	Camellia (1).
Do.....	Persimmon (1).
Hemiclonaaspis aspidistrae (scale insect).....	Ribbon grass (1).
Hemipterous insect, nest of.....	Pine (1).
Juniper web worm.....	(?).
Lepidopterous cocoon.....	Azalea (1).
Lepidopterous larvae.....	Boxwood (1).
Lepidosaphes lasianthi (scale insect).....	Camellia (2).
Lepidosaphes newsteadii (scale insect).....	Sciadopitys verticillata (1).
Mantis egg masses.....	Japanese forest cedar (1).
Do.....	Persimmon (1).
Do.....	Wistaria (1).
Mites (2 species).....	Cycas revoluta stems (1).
Papilio sp.....	Pine (1).
Parlatoria pergandei (chaff scale).....	Camellia (1).

## List, by countries, of pests collected—Continued.

Country of origin and name of pest.	Host.
<b>JAPAN—continued.</b>	
<i>Parlatoria pergandei</i> (chaff scale).....	Maple (1).
<i>Parlatoria theae</i> (scale insect).....	Do.
<i>Peach root borer</i> .....	Peach (1).
<i>Portheretria dispar</i> (gipsy moth) (old egg clusters).....	Cedar (1).
<i>Pseudaonidia duplex</i> (scale insect).....	Camellia (2).
<i>Pseudaonidia paeoniae</i> (scale insect).....	Azalea (4).
<i>Pseudococcus</i> sp. (mealy bug).....	Azalea (2).
Do.....	Persimmon (1).
Do.....	<i>Taxus cuspidata</i> (1).
Psychid cases.....	Azaleas (1).
Sawfly (?) cocoons (16).....	Do.
<i>Thyridopteryx ephemeraeformis</i> (bagworm).....	Persimmon (1).
Diseases:	
<i>Bacterium tumefaciens</i> (crown gall).....	Roots of <i>Photinia glabra</i> (1).
<i>Juniper rust</i> .....	<i>Juniperus chinensis</i> (1).
<i>Woroninella puerariae</i> .....	Kudzu vines ( <i>Pueraria thunbergiana</i> ) (2).
<b>MEXICO.</b>	
<i>Calandra oryza</i> (rice weevil).....	Quercus <i>insignis</i> (1).
<i>Camponotus abdominalis</i> (?) (ant).....	Orchid (1).
<i>Rhizoglyphus phylloxerae</i> (mite).....	Quercus <i>insignis</i> (1).
<i>Tyroglyphus</i> sp. (mite).....	Do.
<b>PANAMA.</b>	
<i>Asterolecanium</i> sp. (scale insect).....	Orchid (1).
<i>Diaspis boisduvalii</i> (scale insect).....	Do.
<i>Hemichionaspis aspidistrae</i> (aspidistra scale).....	Palm (1).
<i>Hemichionaspis minor</i> (white scale of cotton).....	Orchid (1).
<i>Ischnaspis longirostris</i> (scale insect).....	(?).
<i>Isosoma orchidearum</i> (Cattleya fly, evidences of).....	Orchid (1).
<i>Pseudococcus</i> sp. (mealy bug).....	Palm (1).
<i>Saissetia hemisphaerica</i> (hemispherical scale).....	Do.
<i>Saissetia oleae</i> (black scale).....	(?).
<b>PHILIPPINE ISLANDS.</b>	
<i>Aspidiotus lataniae</i> (scale insect).....	Palm trees (1).
<i>Chrysomphalus aurantii</i> (red scale of California).....	Citrus cuttings (1).
<i>Coccus hesperidum</i> (soft brown scale).....	Do.
<i>Lepidosaphes beckii</i> (purple scale).....	Do.
<i>Lepidosaphes gloverii</i> (scale insect).....	Do.
<i>Parlatoria pergandei</i> (chaff scale).....	Do.
<i>Parlatoria zizyphus</i> (scale insect).....	Do.
<i>Pseudaonidia articulatus</i> (scale insect).....	Do.
<i>Pseudococcus</i> sp. (mealy bug).....	Do.
<b>VENEZUELA.</b>	
Ants.....	Orchid (2).
<i>Blattid nymph</i> (roach).....	Orchid (1).
<i>Isosoma orchidearum</i> (Cattleya fly, evidences of).....	Orchid (3).
<i>Periplaneta australasiae</i> (roach).....	Orchid (1).
<i>Silvanus</i> sp. (Cucujidae).....	(?).
<i>Tenthecoris bicolor</i> (Capsidae).....	Orchid (2).
<i>Wasmannia auropunctata</i> , undescribed variety of.....	Orchid (1).

## LIST, BY STATES, OF PESTS COLLECTED.

[The number in parentheses following name of country indicates the number of times reported.]

State in which collected and name of pest.	Host.	Country of origin.
<b>ALABAMA.</b>		
Disease: Cytospora.....	Norway maple.....	Holland (1).
<b>CALIFORNIA.</b>		
Agromyza websteri (Wistaria gall fly).....	Wistaria.....	Japan (1).
Aleyrodes sp. (white fly).....	Camellia.....	Do.
Do.....	Eleagnus.....	Do.
Aspidiota lataniae (scale insect).....	Palm trees.....	Philippine Islands (1).
Bud moth larvae.....	Prunus sps.....	Do.
Ceroplastes ceriferus (wax scale).....	Camellia.....	Do.
Chionaspis wistariae (Wistaria scale).....	Wistaria.....	Do.
Cicada eggs.....	Camellia.....	Do.
Do.....	Persimmon.....	Do.
Hemichionaspis aspidistrae (Aspidistra scale).....	Palm.....	Panama (1).
Do.....	Ribbon grass.....	Japan (1).
Hemichionaspis minor (white scale of cotton).....	Orchid.....	Panama (1).
Hymenopterous insect, nest of.....	Pine.....	Japan (1).
Ischnaspis longirostris (scale insect).....	(?).....	Panama (1).
Lepidopterous larvae.....	Boxwood.....	Japan (1).
Lepidosaphes lasianthi (scale insect).....	Camellia.....	Do.
Lepidosaphes newsteadii (scale insect).....	Sciadopitys verticillata.....	Do.
Mantis eggs.....	Persimmon.....	Do.
Do.....	Wistaria.....	Do.
Papilio sp.....	Pine.....	Do.
Parlatoria pergandei (chaff scale).....	Camellia.....	Do.
Parlatoria theae (scale insect).....	Maple.....	Do.
Peach root borer.....	Peach.....	Do.
Portherria dispar (gipsy moth) (old egg clusters).....	Cedar.....	Do.
Pseudaonidia duplex (scale insect).....	Camellia.....	Japan (2).
Pseudococcus sp. (mealy bug).....	Azalea.....	Japan (1).
Do.....	Bastard Banyan.....	China (1).
Do.....	Palm.....	Panama (1).
Do.....	Persimmon.....	Japan (1).
Saissetia hemisphaerica (hemispherical scale).....	Palm.....	Panama (1).
Saissetia oleae (black scale).....	(?).....	Do.
Thyridopteryx ephemeraeformis (bagworm).....	Persimmon.....	Japan (1).
Disease: Juniper rust.....	Juniperus chinensis.....	Do.
<b>COLORADO.</b>		
Spider, red.....	(?).....	France (1).
Do.....	(?).....	Holland (1).
<b>CONNECTICUT.</b>		
Aspidiota hederae (ivy scale).....	Palm.....	Belgium (1).
Coccinellidae (Beetles).....	Bay.....	Do.
Coccus hesperidum (soft brown scale).....	do.....	Belgium (3).
Emphytus cinctus (sawfly).....	Rose stock.....	France (1).
Evetria buoliana (European pine shoot moth) (work of).....	Pinus mughus.....	Holland (1).
Lepidopterous cocoon and parasites.....	Azalea.....	Do.
Lepidopterous larva.....	Bay.....	Belgium (1).
Lepidopterous pupa.....	Elm.....	France (1).
Lepidosaphes ulmi (oyster-shell scale).....	Boxwood.....	Holland (8).
Notolophus antiqua (?) (European tussock moth) (?) (eggs).....	Fruit stock.....	France (1).
Sawfly (?) borer.....	Tips of Manetti stock.....	France (3).
Thysanura.....	Bay.....	Belgium (1).
Diseases:		
Ascomycete.....	Rhododendron.....	France (1).
Do.....	do.....	Holland (1).
Bacterium tumefaciens (crown gall).....	Apple.....	France (1).
Do.....	Privet.....	Do.
Bacterium tumefaciens (hairy root).....	Apple.....	Do.
Pestalozzia guepini.....	Rhododendron.....	Do.

## List, by States, of pests collected—Continued.

State in which collected and name of pest.	Host.	Country of origin.
<b>DISTRICT OF COLUMBIA.</b>		
<i>Aleurothrixus</i> sp. (Aleyrodid).	Jaboticaba.....	Brazil (1).
<i>Aphid</i> (plant louse) (eggs).	<i>Ribes nigrum</i> (black currant).	Canada (1).
<i>Aspidiotus</i> sp. (scale insect).	<i>Hakea microcarpa</i> .....	Australia (1).
<i>Aspidiotus subsimilis</i> (scale insect).	Avocado.....	Costa Rica (1).
Beetles, probably new genus near <i>Coccotrypes</i> .	<i>Copaifera hemitomophylla</i> .....	Do.
<i>Calandra oryza</i> (rice weevil).	<i>Quercus insignis</i> .....	Mexico (1).
<i>Camponotus abdominalis</i> (?) (ant).	Orchid.....	Do.
<i>Chrysomphalus aurantii</i> (red scale of California).	Citrus cuttings.....	Philippine Islands (1).
<i>Coccus hesperidum</i> (soft brown scale).	Citrus cuttings.....	Philippine Islands (1).
Geometrid.....	<i>Cassinia leptophylla</i> .....	England (1).
<i>Kermes</i> sp. (?) (scale insect).	Persimmon.....	China (1).
<i>Lecanium</i> sp. (scale insect).	<i>Ribes nigrum</i> (black currant).	Canada (1).
<i>Lepidosaphes beckii</i> (purple scale).	Citrus cuttings.....	Philippine Islands (1).
<i>Lepidosaphes gloverii</i> (scale insect).	do.....	Do.
<i>Lepidosaphes ulmi</i> (oyster-shell scale).	Boxwood.....	Holland (1).
<i>Parlatoria pergandei</i> (chaff scale).	Citrus cuttings.....	Philippine Islands (1).
<i>Parlatoria zizyphus</i> (scale insect).	do.....	Do.
Near <i>Petaloccephala perductalis</i> (family Jassidae).	<i>Erianthus fulvus</i> .....	India (1).
<i>Phytomyza aquifolii</i> (Dipterous leaf miner).	Holly.....	Holland (1).
<i>Pseudaonidia articulatus</i> (scale insect).	Citrus cuttings.....	Philippine Islands (1).
<i>Pseudaonidia trilobitiformis</i> (scale insect).	Persimmon.....	China (1).
<i>Pseudococcus</i> sp. (mealy bug).	Citrus cuttings.....	Philippine Islands (1).
<i>Rhizoglyphus hyacinthi</i> (bulb mite).	<i>Colocasia</i> sp.....	Egypt (1).
<i>Rhizoglyphus phylloxerae</i> (mite).	<i>Quercus insignis</i> .....	Mexico (1).
<i>Tenuipalpus glaber</i> (red spider).	Walnut.....	Italy (1).
<i>Tyroglyphus</i> sp. (mite).	<i>Quercus insignis</i> .....	Mexico (1).
<b>FLORIDA.</b>		
<i>Lepidosaphes ulmi</i> (oyster-shell scale).	Rose.....	Holland (1).
Psocid, small.....	do.....	Do.
Disease: <i>Exobasidium</i> sp.	Azalea.....	Belgium (1).
<b>HAWAII.</b>		
<i>Anomala</i> sp. (beetle; grub).	In soil around plants.....	Japan (1).
Ants.....	do.....	Do.
<b>ILLINOIS.</b>		
<i>Aspidiotus ostreaeformis</i> (scale insect).	<i>Fraxinus</i> (ash).....	France (1).
<i>Lepidopterous pupa</i> .....	Lilac.....	Do.
Do.....	Snowball.....	Do.
Disease: <i>Bacterium tumefaciens</i> (crown gall).	<i>Hippophae</i> .....	Do.
<b>INDIANA.</b>		
<i>Aspidiotus hederae</i> (ivy scale).	Bay.....	Belgium (1).
<i>Chaitophorus</i> sp. (plant louse).	Ornamental trees.....	Holland (1).
<i>Coccus hesperidum</i> (soft brown scale).	Bay.....	Belgium (1).
<i>Lepidosaphes ulmi</i> (oyster-shell scale).	Boxwood.....	Holland (3).
<i>Notolophus antiqua</i> (European tussock moth) (eggs).	Rose.....	Holland (1).
Sawfly larva.....	Boxwood.....	Do.
<i>Tortrix pronubana</i> .....	<i>Abies douglasii</i> .....	France (1).
Do.....	Cedar.....	Do.
Diseases:		
<i>Fusarium</i> sp. /.....	<i>Rhododendron</i> .....	Holland (1).
<i>Pestalozzia guepini</i> .....	<i>Prunus laurocerasus</i> .....	Do.
<b>IOWA.</b>		
<i>Apanteles</i> sp.....	<i>Berberis</i> (barberry).....	France (1).
<i>Apatela auricoma</i> (dagger moth).	<i>Ampelopsis</i> .....	Do.
Do.....	Apple.....	France (3).
Do.....	Barberry.....	France (1).
Do.....	Birch.....	Do.
Do.....	Cherry.....	France (5).

## List, by States, of pests collected—Continued.

State in which collected and name of pest.	Host.	Country of origin.
<b>IOWA—continued.</b>		
<i>Apatela auricoma</i> (dagger moth).....	Cranberry.....	France (1).
Do.....	Hydrangea.....	Do.
Do.....	Lilac.....	France (2).
Do.....	<i>Lonicera aureo-reticulata</i> .....	France (1).
Do.....	Maple.....	Do.
Do.....	Pear.....	France (3).
Do.....	<i>Philadelphus coronarius</i> .....	France (1).
Do.....	Plum.....	France (2).
Do.....	Quince.....	France (1).
Do.....	Rose.....	Holland (1).
Do.....	Snowball.....	France (1).
Do.....	<i>Symporicarpus</i> .....	Do.
<i>Apatela auricoma</i> (?) (dagger moth) (?).....	Birch.....	Do.
<i>Apatela auricoma</i> (?) (dagger moth) (?).....	Buckthorn.....	France (1).
Bagworm.....	<i>Picea pungens</i> .....	Do.
<i>Coccus hesperidum</i> (soft brown scale).....	Bay.....	Belgium (1)..
<i>Hemiteles</i> sp. (hyperparasite).....	(?).....	France (1).
<i>Lepidosaphes ulmi</i> (oyster-shell scale).....	Apple.....	Canada (1).
<i>Macrocentrus</i> (?) sp.....	Hydrangea.....	Holland (1).
<i>Notolophus antiqua</i> (European tussock moth) (eggs).....	Birch.....	France (1).
Do.....	Buckthorn.....	Do.
Do.....	Horse chestnut.....	Holland (1).
Do.....	Maple.....	Holland (2).
Do.....	<i>Prunus pissardi</i> .....	Holland (1).
Do.....	Rose.....	Do.
Disease: <i>Bacterium tumefaciens</i> (crown gall).....	Lilac.....	France (1).
<b>KANSAS.</b>		
<i>Eriosoma lanigera</i> (woolly aphis).....	Apple.....	France (1).
Grubs.....	In soil around plants.....	Holland (1).
<i>Lachnostenra</i> sp. (beetle, larvae).....	In packing.....	France (2).
<i>Lepidopterous</i> pupa cases.....	(?).....	France (1).
<i>Lepidosaphes ulmi</i> (oyster-shell scale).....	Boxwood.....	Holland (1).
Mites.....	<i>Gladiolus</i> .....	Do.
<i>Notolophus antiqua</i> (European tussock moth).....	Dogwood.....	France (1).
Do.....	Privet.....	Do.
Reduviid.....	Apple seeds.....	Do.
Diseases:		
<i>Bacterium tumefaciens</i> (crown gall).....	Pear.....	Holland (1).
<i>Bacterium tumefaciens</i> (hairy root).....	Apple.....	France (1).
<b>KENTUCKY.</b>		
Aphids (plant lice).....	Cherry.....	France (1).
<i>Lepidosaphes ulmi</i> (oyster-shell scale).....	Boxwood.....	Holland (4).
<i>Macrosiphum circumflexum</i> (aphid).....	<i>Helleborus niger</i> .....	France (1).
<b>MARYLAND.</b>		
<i>Aleyrodes</i> sp. (white fly).....	Azalea.....	Belgium (1).
<i>Lepidosaphes ulmi</i> (oyster-shell scale).....	Boxwood.....	Holland (4).
Psyllid.....	<i>Retinospora</i> .....	Holland (1).
<b>MASSACHUSETTS.</b>		
Aphids (plant lice).....	Spruce.....	Holland (1).
<i>Aspidiotus britannicus</i> (scale insect).....	Bay.....	Belgium (1).
<i>Aspidiotus hederae</i> (ivy scale).....	Aspidistra.....	Do.
Do.....	Boxwood.....	England (1).
Do.....	Palm.....	Belgium (2).
<i>Aspidiotus</i> sp. (scale insect).....	Bay.....	Belgium (1).
Case bearer.....	(?).....	Japan (1).
<i>Coccus hesperidum</i> (soft brown scale).....	Bay.....	Belgium (1).
<i>Diaspis boisduvalii</i> (scale insect).....	Orchid.....	England (1).
<i>Diprion pini</i> (sawfly).....	<i>Pinus mughus</i> (pine).....	Holland (4).
<i>Euproctis chrysorrhoea</i> (brown-tail moth) (nest).....	Rose.....	Ireland (1).

## List, by States, of pests collected—Continued.

State in which collected and name of pest.	Host.	Country of origin.
MASSACHUSETTS—continued.		
Evetria buoliana (European pine shoot moth)	281 Pines	Holland (2 shipments).
Do.	14 Pinus mughus	Holland (1 shipment).
Do.	Pinus mughus	Do.
Do.	300 Pinus mughus	Holland (3 shipments).
Evetria buoliana (European pine shoot moth) (work of).	Pinus mughus (?)	Holland (1).
Haltica bimaculata (beetle)	Rhododendron	Do.
Juniper web worm	(?)	Japan (1).
Lepidosaphes ulmi (oyster-shell scale)	Boxwood	Holland (6).
Do.	Lilac	Holland (1).
Notolophus antiqua (European tussock moth) (eggs)	Rhododendron	Do.
Diseases:		
Bacterium tumefaciens (crown gall)	Azalea	Do.
Do.	Rhododendron	Holland (2).
Woroninella puerariae	Kudzu vines, Pueraria thunbergiana	Japan (2).
MINNESOTA.		
Aphid (plant louse)	Buckthorn	France (1).
Do.	Cedar	Do.
Do.	Elder tree	Do.
Do.	Rose	Do.
Lepidosaphes ulmi (oyster-shell scale)	Crataegus (hawthorn)	Holland (1).
Do.	Lilac	France (1).
MISSOURI.		
Aphids (plant lice)	Thuja orientalis aurea	France (1).
Isosoma orchidearum (Cattleya fly) (punctures)	Orchid	Colombia (1).
Lepidosaphes ulmi (oyster-shell scale)	Boxwood	Holland (1).
Psocids	Orchid	Colombia (1).
Psylla buxi	Boxwood	Holland (2).
Tiger moth (?) cocoon	Fruit-tree stocks	France (1).
Diseases:		
Bacterium tumefaciens (hairy root)	Fruit stocks	France (2).
Do.	Ornamental shrubs	France (1).
Saprophytic fungi	Orchid	Colombia (1).
NEBRASKA.		
Aphids (plant lice)	Berberis (barberry)	France (1).
Do.	Rose	Holland (1).
Lecanium sp. (scale insect)	Boxwood (?)	Do.
Lepidosaphes ulmi (oyster-shell scale)	Boxwood	Holland (0).
Notolophus antiqua (European tussock moth) (eggs)	Tamarix	France (1).
Psychodidae (Diptera)	Spruce	Holland (1).
Sawfly cocoon	do	Do.
NEW HAMPSHIRE.		
Eriosoma lanigera (woolly aphid)	Fruit stocks	France (1).
Lepidosaphes ulmi (oyster-shell scale)	(?)	Holland (1).
Notolophus antiqua (European tussock moth) (eggs)	Maple	Do.
Portheletria dispar (gipsy moth) (egg mass)	Blue spruce	Holland (2).
Diseases:		
Bacterium tumefaciens (crown gall)	Dormant nursery stock	France (1).
Do.	Fruit stocks	Do.
NEW JERSEY.		
Agriotes sp. (wireworm)	In soil around rhododendron	Holland (1).
Aphids (plant lice)	Maples	Do.
Aspidiota hederae (ivy scale)	Camellia	Do.
Do.	Orchid	England (1).
Aulacaspis rosae (rose scale)	Rose stocks	France (1).
Cecidomyiid galls	Pine	Japan (1).
Cercyon haemorrhoidalis (beetle; Hydrophilidae)	Rhododendron	Holland (1).
Chrysomphalus dictyospermi (scale insect)	Palm	Belgium (2).

## List, by States, of pests collected—Continued.

State in which collected and name of pest.	Host.	Country of origin.
NEW JERSEY—continued.		
<i>Chrysomphalus perseae</i> (scale insect).	Orchid.	Guatemala (1).
<i>Coccus hesperidum</i> (soft brown scale).	Bay.	Belgium (2).
Do.	do.	Holland (1).
<i>Curculionid larva</i> .	In soil around rhododendron.	Holland.
<i>Evetria buoliana</i> (European pine shoot moth).	<i>Pinus montana</i> (pine).	
Do.	<i>Pinus mughus</i> (pine).	
Do.	<i>Pinus wateriana</i> .	
<i>Hister stercorarius</i> (beetle, more or less beneficial).	In soil around rhododendron.	Holland (1).
<i>Isosoma orchidearum</i> (Cattleya fly, punctures).	Orchid.	Brazil (1).
Do.	do.	Colombia (2).
Do.	do.	Guatemala (1).
Do.	do.	Venezuela (1).
<i>Lepidopterous larva</i> .	Boxwood.	Holland (1).
Do.	Rhododendron.	Do.
<i>Lepidopterous pupa</i> .	Shrubs.	France (1).
<i>Lepidosaphes ulmi</i> (oyster-shell scale).	Boxwood.	Holland (9).
<i>Noctuid larva</i> .	(?).	France (1).
<i>Parlatoria pergandei</i> (chaff scale).	Maple.	Japan (1).
<i>Phytomyza aquifolii</i> (Dipterous leaf miner).	Holly.	Holland (1).
<i>Pseudaonidia paeoniae</i> (scale insect).	Azalea.	Japan (3).
<i>Pseudococcus</i> sp. (mealy bug).	do.	Japan (1).
Do.	Ficus.	Belgium (2).
Do.	Palm.	Belgium (1).
Do.	<i>Taxus cuspidata</i> .	Japan (1).
Psychid cases.	Azalea.	Do.
Roaches.	Orchid.	Brazil (1).
Saw-fly (?) cocoons (16).	Azalea.	Japan (1).
Scale insects.	Orchid.	Venezuela (1).
<i>Targionia biformis</i> (scale insect).	do.	Brazil (1).
<i>Tenthecoris bicolor</i> (Capsidae).	do.	Venezuela (1).
Tingtid eggs (lacewing).	Rhododendron.	England (1).
Do.	do.	Holland (8).
NEW YORK CITY (FEDERAL INSPECTION).		
Ants.	Orchid.	Colombia (10).
Do.	do.	Venezuela (2).
<i>Asterolecanium</i> sp. (scale insect).	do.	Panama (1).
<i>Audreia</i> sp. (cockroach).	do.	Colombia (2).
<i>Blaberus</i> sp. (roach, egg case).	do.	Colombia (1).
Blattid (roach, nymph).	do.	Do.
Do.	do.	Venezuela (1).
<i>Camponotus abdominalis</i> (?) (ant).	do.	Colombia (1).
<i>Camponotus</i> sp. (?) (ant).	do.	Do.
Capsid.	do.	Do.
<i>Cryptocerus</i> sp. (ant).	do.	Do.
<i>Cryptoptilum</i> sp. (Gryllid).	do.	Do.
<i>Dasyposoma</i> sp. (roach) (nymph?).	do.	Do.
<i>Dasyposoma</i> (?) sp. (roach).	do.	Do.
<i>Diaspis boisduvalii</i> (scale insect).	do.	Panama (1).
<i>Fulvius atratus</i> (Hemipteron; Capsidae).	do.	Colombia (1).
<i>Isosoma orchidearum</i> (Cattleya fly) (punctures).	do.	Colombia (6).
Do.	do.	Panama (1).
Do.	do.	Venezuela (2).
<i>Largus cinctus</i> .	do.	Colombia (1).
Lepidopterous cocoon, parasitized.	do.	Do.
<i>Nyctobora</i> sp. (cockroach).	do.	Do.
<i>Periplaneta australasiae</i> (roach).	do.	Venezuela (1).
Do.	do.	Colombia (1).
<i>Phoetalia laevigata</i> .	do.	Colombia (1).
<i>Plagiolepis</i> sp. (ant).	do.	Do.
Psocids.	do.	Do.
Pyratid larva.	do.	Colombia (2).
Roaches.	do.	Colombia (4).
<i>Silvanus</i> sp. (Cucujidae).	(?).	Venezuela (1).

## List, by States, of pests collected—Continued.

State in which collected and name of pest.	Host.	Country of origin.
NEW YORK CITY (FEDERAL INSPECTION)—contd.		
Tenthecoris bicolor (Capsidae)	Orchid	Colombia (2).
Do.	do	Venezuela (1).
Thrips	do	Colombia (2).
Wasemannia auropunctata, undescribed variety of	do	Venezuela (1).
NEW YORK.		
Aphids (plant lice)	Berberis (barberry)	Holland (1).
Do.	Fruit trees	England (1).
Aspidiottus perniciosus (San Jose scale)	Peach	Canada (1).
Euproctis chrysorrhoea (brown-tail moth) (nest)	(?)	France (1).
Everita buoliana (European pine shoot moth)	Pinus sylvestris	Holland (1)..
Lepidosaphes ulmi (oyster-shell scale)	Shrub	Do.
Porthezia dispar (gipsy moth) (egg mass)	Azalea	Belgium (1).
Diseases:		
Bacterium tumefaciens (crown gall)	Peach	Canada (1).
Do.	Manetti	England (1).
NORTH CAROLINA.		
Apatela auricoma (dagger moth)	Cherry	Holland (1).
Lepidopterous larva	Coniferous tree	France (1).
Notolophus antiqua (European tussock moth) (eggs)	Tamarix	Do.
Diseases:		
Bacterium tumefaciens (hairy root)	Apple seedlings	Do.
Phyllosticta sp.	Cydonia japonica	Holland (1).
OHIO.		
Apatela auricoma (dagger moth)	(?)	France (1).
Do.	Deutzia pride of Rochester	Do.
Do.	Pear	France (3).
Do.	Rose stocks	France (1).
Do.	Snowball	Do.
Eriosoma lanigera (woolly aphis)	Paradise apple	Do.
Everita resinella (moth)	Pinus mughus	Holland (1).
Grasshopper, nymph (Locustidae)	Norway spruce	France (1).
Grub, white	In packing around seedlings	Do.
Lepidosaphes ulmi (oyster-shell scale)	Boxwood	Do.
Do.	do	Holland (4).
Notolophus antiqua (European tussock moth) (eggs)	(?)	France (1).
Do.	Pear	Do.
Diseases:		
Bacillus amylovorus (blight)	Pear seedlings	Do.
Do.	Pear stock	Do.
OREGON.		
Lepidopterous cocoon	Azalea	Japan (1).
Lepidosaphes lasianthi (scale insect)	Camellia	Do.
Pseudaonidia paeoniae (scale insect)	Azalea	Do.
Disease: Bacterium tumefaciens (crown gall)	Roots of Photinia glabra	Do.
PENNSYLVANIA.		
Aphid (plant louse)	Juniper	Holland (1).
Do.	Maple	Do.
Aphid eggs	Apple	England (1).
Do.	Beech	France (1).
Aspidiottus britannicus (scale insect)	Bay	Holland (1).
Aspidiottus hederae (ivy scale)	Palm	Belgium (1).
Cilix glauata (?) (family Drepanulidae) (Lepidoptera)	Pear stocks	France (1).
Coccus hesperidum (soft brown scale)	Bay	Holland (1).
Diaspis carueli (Juniper scale)	Japan golden Juniper	Do.
Dichomeris marginellus (Juniper web worm)	Chinese golden Juniper	Do.

## List, by States, of pests collected—Continued.

State in which collected and name of pest.	Host.	Country of origin.
<b>PENNSYLVANIA—continued.</b>		
<i>Eriophyes</i> sp. (mite).	Boxwood.	Holland (7).
<i>Eriosoma lanigera</i> (woolly aphis).	Apple stocks.	France (1).
Do.	Pear stocks.	Do.
<i>Euproctis chrysorrhoea</i> (brown-tail moth) (old cocoon).	<i>Pinus mughus</i> .	Do.
<i>Evetria buoliana</i> (European pine shoot moth).	do.	Holland (4).
Do.	<i>Pinus uncinata</i> .	Holland (1).
<i>Evetria buoliana</i> (?) (European pine shoot moth) (?).	<i>Pinus montana</i> .	Do.
Do.	<i>Pinus mughus</i> .	France (1).
Do.	do.	Holland (2).
<i>Evetria</i> sp. (?)	<i>Pinus austriaca</i> .	France (1).
Lace bug eggs.	Rhododendron.	Holland (1).
<i>Lepidosaphes ulmi</i> (oyster-shell scale).	Boxwood.	Holland (10).
<i>Léptobrysa explanata</i> (Tingitid).	Rhododendron.	Holland (1).
Mite eggs.	Junipers.	Holland (8).
Mites (two species).	<i>Cycas revoluta</i> stems.	Japan (1).
<i>Notolophus antiqua</i> (European tufted moth) (eggs).	Rose.	Holland (1).
<i>Phyllaphis fagi</i> (?) (plant louse).	Beech.	Do.
<i>Psylla buxi</i> .	Boxwood.	Holland (23).
Spider, red.	do.	Holland (1).
Diseases:		
Ascomycetous fungus.	<i>Kalmia</i> leaves.	Do.
<i>Bacillus amylovorus</i> (?) (blight).	Pear stock.	France (1).
<i>Bacterium tumefaciens</i> (crown gall).	Pear.	Do.
Do.	do.	Holland (2).
Do.	Pear stocks.	France (3).
Do.	Plum stocks.	France (1).
<i>Bacterium tumefaciens</i> (hairy root).	Apple stocks.	France (4).
Do.	Cherry.	France (1).
<i>Dendrochium albo-cinereum</i> .	Norway maples (?)	Holland (1).
<i>Exobasidium</i> sp.	Rhododendron.	Do.
<i>Exobasidium</i> sp. (?)	Azaleas.	Holland (2).
Do.	Rhododendron.	France (1).
Mahonia leaf spot fungus.	Berberis (barberry).	Holland (1).
<i>Pestalozzia guepini</i> .	Rhododendron.	Do.
<i>Pestalozzia guepini</i> Desm. var.	do.	Do.
<i>Pestalozzia</i> sp.	(?)	England (1).
Do.	Rhododendron.	Holland (5).
Do.	do.	
<b>RHODE ISLAND.</b>		
<i>Evetria buoliana</i> (European pine shoot moth) (at least 500).	<i>Pinus mughus</i> .	Holland (1).
<i>Evetria buoliana</i> (European pine shoot moth).	do.	Do.
<i>Pseudococcus</i> sp. (mealy bug).	Azalea.	Belgium (1).
<b>UTAH.</b>		
<i>Apatela auricoma</i> (dagger moth).	Fruit stocks.	France (2).
<i>Eriosoma lanigera</i> (woolly aphis).	Roots of fruit stocks.	France (1).
Diseases:		
<i>Bacterium tumefaciens</i> (crown gall).	Apple.	Do.
Do.	Fruit stocks.	Do.
Do.	Pear.	Do.
<i>Bacterium tumefaciens</i> (hairy root).	Apple.	Do.
Do.	Pear.	Do.
<i>Botrytis vulgaris</i> (gray mold).	Fruit stocks.	Do.
<b>VERMONT.</b>		
<i>Aspidiotus hederae</i> (ivy scale).	Palm.	Belgium (1).

*List, by States, of pests collected—Continued.*

State in which collected and name of pest.	Host.	Country of origin.
<b>VIRGINIA.</b>		
Notolophus antiqua (European tussock moth) (eggs).	European linden.....	Holland (1).
<b>WASHINGTON.</b>		
Aphids (plant lice).....	Coniferous trees.....	Japan (1.)
Do.....	Japanese forest cedar.....	Do.
Do.....	do.....	Do.
Bagworm cocoons.....	Boxwood.....	Holland (1).
Lepidosaphes ulmi (oyster-shell scale).....	Japanese forest cedar.....	Japan (1).
Mantis egg masses.....		
<b>WEST VIRGINIA.</b>		
Lepidopterous pupa.....	Apple tree.....	France (1).
Disease: <i>Bacterium tumefaciens</i> (crown gall).....	Apple.....	England (1).
<b>WISCONSIN.</b>		
Beetle, small.....	Rose.....	Holland (1).
Muscoid fly.....	do.....	Do.
Disease: <i>Botrytis</i> sp.....	do.....	Holland (2).